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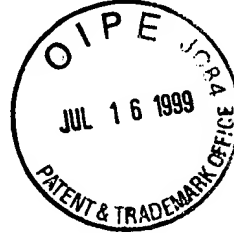
In re Patent Application of)

JAMES D. MARKS et al.)

Serial No.: 09/249,529)

Filed: February 12, 1999)

For: METHODS OF SELECTING)
INTERNALIZING ANTIBODIES)



San Francisco, California

Assistant Commissioner of Patents
Washington, D.C. 20231

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner of Patents, Washington, D.C. 20231 on 7/14/99.

Mark T. Davis

Signature

Mark T. Davis *July 14, 1999*

Date

INFORMATION DISCLOSURE STATEMENT

Sir:

The following Form 1449 and copies of documents listed thereon are being filed herewith as an Information Disclosure Statement. Consideration of each of these documents by the Patent Examiner, and the making of each of them of record in the file of this application, are respectfully requested.

Respectfully submitted,

Dated: July 14, 1999

A handwritten signature in cursive script, appearing to read "Tom Hunter".

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Atty. Docket: 2500.116US1

FORM PT01449
(REV. 8-83)

**U.S. DEPARTMENT OF COMMERCE
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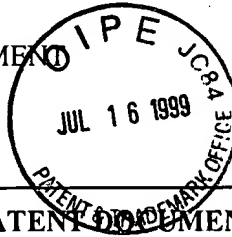
2500.116US1

SERIAL NO.

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INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

**APPLICANT**

JAMES D. MARKS et al.

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GROUP

U. S. PATENT DOCUMENTS

[illegible]

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent pages, Etc.)*

C1	Adams et al., "Prolonged in vivo tumour retention of a human diabody targeting the extracellular domain of human HER2/neu", British Journal of Cancer, May 1998, Vol. 77, No. 9, pp. 1405-1412.
C2	Adams et al., "Increased Affinity Leads to Improved Selective Tumor Delivery of Single-Chain Fv Antibodies", Cancer Research, February 1998, Vol. 58, No. 3, pp. 485-490.
C3	Altenschmidt et al., "Targeted Therapy of Schwannoma Cells in Immunocompetent Rats with an erbB2-Specific Antibody-Toxin", International Journal of Cancer, 26 September 1997, Vol. 73, No. 1, pp. 117-124.
C4	Hudziak et al., "p185her2 Monoclonal Antibody has Antiproliferative Effects in Vitro and Sensitizes Human Breast Tumor Cells to Tumor Necrosis Factor, Molecular and Cellular Biology, March 1989, Vol. 9, No. 3, pp. 1165-1172.
C5	Hurwitz et al., "Suppression and promotion of tumor growth by monoclonal antibodies to ErbB-2 differentially correlate with cellular uptake", Proceedings of the National Academy of Sciences, April 11, 1995, Vol. 92, No. 8, 3353-3357.
C6	Kirpotin et al., "Sterically Stabilized Anti-HER2 Immunoliposomes: Design and Targeting to Human Breast Cancer Cells in <i>Vitro</i> ", Biochemistry, January 7, 1997, Vol 36, No. 1, pp. 66-75.
C7	Lewis et al., "Differential responses of human tumor cell lines to anti-p185her2 monoclonal antibodies", Cancer, Immunology, Immunotherapy, March 1993, Vol 37, No. 4, pp. 255-263.
C8	Pereira et al., "A model system for detection and isolation of a tumor cell surface antigen using antibody phage display, Journal of Immunological Methods, 11 April 1997, Vol. 203, No. 1, pp. 11-24.
C9	Sheets et al., "Efficient construction of a large nonimmune phage antibody library: The production of high-affinity human single-chain antibodies to protein antigens", Proceedings of the National Academy of Sciences, May 26, 1998, Vol. 95, No. 11, 6157-6162.

EXAMINER

DATE CONSIDERED

* **EXAMINER:** Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered, Include copy of this form with next communication to applicant.

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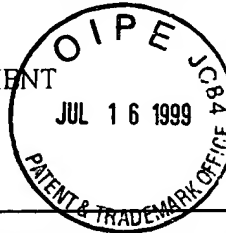
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U. S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

C10	Slamon, et al., "Studies of the HER-2/neu Proto-oncogene in Human Breast and Ovarian Cancer, American Association for the Advancement of Science, 12 May 1989, Vol. 244, No. 4905, pp. 707-712.
C11	Stancovski, et al., "Mechanistic aspects of the opposing effects of monoclonal antibodies to the ERBB2 receptor on tumor growth", Proceedings of the National Academy of Sciences, October 1, 1991, Vol 88, No. 19, pp. 8691-8698.
C12	Ullrich, et al., "Signal Transduction by Receptors with Tyrosine Kinase Activity", Cell, April 20, 1990, Vol. 61, No. 2, pp. 203-212.
C13	Yarden, Yosef, "Agonistic antibodies stimulate the kinase encoded by the neu protooncogene in living cells but the oncogenic mutant is constitutively active", Proceedings of the National Academy of Sciences, April 1990, Vol 87, No. 7, pp. 2569-2573.
C14	Watters, et al., "An optimized method for cell-based phage display panning", Immunotechnology, 1997, Vol. 3, pp. 21-29.
C15	Barry, et al., "Toward cell-targeting gene therapy vectors: Selection of cell-binding peptides from random peptide-presenting phage libraries", Nature Medicine, March 1996, Vol. 2, No. 3, pp. 299-305.
C16	Fominaya, et al., "Target Cell-specific DNA Transfer Mediated by a Chimeric Multidomain Protein", Journal of Biological Chemistry, May 3, 1996, Vol. 271, No. 18, pp. 10560-10568.
C17	Hart, et al., "Cell Binding and Internalization by Filamentous Phage Displaying a Cyclic Arg-Gly-Asp-containing Peptide", Journal of Biological Chemistry, April 29, 1994, Vol. 269, No. 17, pp. 12468-12474.
C18	Larocca et al., "Targeting Bacteriophage to Mammalian Cell Surface Receptore for Gene Delivery", Human Gene Therapy, November 1, 1998, Vol. 9, pp. 2393-2399.
C19	Marks, et al, "Molecular Evolution of Proteins on Filamentous Phage", Journal of Biological Chemistry, August 15, 1992, Vol. 267, No. 23, pp. 16007-16010.
C20	Okayama, et al., "Bacteriophage Lambda Vector for Transducing a cDNA Clone Library into Mammalian Cells", Molecular and Cellular Biology, May 1985, Vol. 5, No. 5, pp. 1136-1142.
C21	Schier, et al., "Identification of functional and structural amino-acid residues by parsimonious mutagenesis", Gene, March 9, 1996, Vol. 169, No. 2, pp. 147-155.
C22	Schier, et al., "Efficient <i>in vitro</i> affinity maturation of phage antibodies using BIAcore guided selections", Hum. Antibod. Hybridomas, 1996, Vol 3, No. 7, pp. 97-105.

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